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All amounts are calculated in domestic currency.

Purchase Order Receipt Listing

Monday, January 23, 2017 10:42:32 AM

All Vendors PO ID PO35008 All Receipt Dates All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

TW Mets 750W.049 750W.049 0.3125W.0 0.500W.05 0.500W.05 0.625W.06 V MENT										
TW Metals 1/25/2017 1/23/2017 1/23/2017 40,0000 0,0000 0 7 48,0000 PLOU01 60,0000 0,0000 0 6T0.3125W.0 f 1,25/2017 1/23/2017 60,0000 0 0,0000 0 7 10.55/2017 1/23/2017 48,0000 0 0 0,0000 0 8W 10.55/2017 1/23/2017 48,0000 0 0,0000 0 8W 10.25/2017 1/23/2017 48,0000 0 0,0000 0 8W 10.25/2017 1/23/2017 1/23/2017 48,0000 0,0000 0 8W 10.25/2017 1/23/2017 1/23/2017 1,0000 0,0000 0 8W 10.0000 PLOU01 1,0000 0,0000 0 0,0000 0 8W 10.0000 PLOU01 1,0000 0,0000 0 0,0000 0 8W 10.0000 PLOU01 1,0000 0,0000 0 0,0000	Proj		PO U/M / Stock U/M	Required Date Required Qty	Recv	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
49 f 1/25/2017 1/23/2017 60.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.0000000 0.00000000	VendorID\Vendor Name		W Metals							
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m136667		CLAUSES				4				
		m136667								

0.0000

\$0.00

197.0000

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:
Total Balance Due Quantity:





Packing

ORDER NO.: 60623748 FROM: CRAN

CUST NUMBER: 1203820 NET WGT:

28.918 REQ. DATE: 01/25/17 CONFIRMED

SOLD TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKESBURY ON

CANADA

CN K6A 1K7

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

SALESPERSON:

TERMS:

DONNA SMALLEY NET 30 DAYS SHIPPING POINT

F.O.B.: CUST ORD NO .: PO35008

SHIP BY:

VIA:

FREIGHT:

01/19/17 COMMON CARRIER

PREPAID

RELEASE NO.:

RECEIVING PHONE:

LINE ITEM DESCRIPTION 0001 36860 SMLS CD 304/L A269 3/4 OD X .049 WA

ORD OTY

INVOICE QTY

SHIPPED OTX

20' CL

LENGTH

CLN#

40.000 FT

40.000 FT

40.000 FT

WIDTH

WT 14.669

PCS 2

1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00 PO:49339072 HT (YX1501783) PC: 2 CUSTOMER QTY: 40.000 UOM FT MLT:CHINA MEG:CHINA SLB/CL:9-110

0002 41723 D6061-T6 5/16 OD X .058 WA

CLN#

ORD QTY 60.000 FT

INVOICE QTY 60.000 FT

SHIPPED OTY 60.000 FT WT

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00 PO:49354489 HT:388604 PC: 5 CUSTOMER QTY: 60.000 UOM FT MLT:UNITED STATES MFG:UNITED STATES SLB/CL:422327

12 FT ML

0003 42276 D6061-T6 1/2 OD X .058 WA

CLN#

ORD QTY 48.000 FT INVOICE QTY 48.000 FT SHIPPED QTY 48.000 FT

4.545

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00 PO:49342317 HT:35361464 PC: 4 CUSTOMER QTY: 48.000 UOM FT MLT:UNITED STATES MEG:UNITED STATES SLB/CL:324203

THANK YOU FOR THIS ORDER PRODUC

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL

http://www.twmetals.com/invoice-terms.html





Packing Slip

ORDER NO.: 60623748 FROM: CRAN PAGE 2

SOLD TO:

CUST NUMBER: 1203820 NET WGT:

CN K6A 1K7

28.918 REQ.DATE: 01/25/17 CONFIRMED

SHIP TO:

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKSBURY ON ONTARIO CANADA

CN K6A 1K7

CANADA

HAWKESBURY ON

SALESPERSON: TERMS: F.O.B.:

DART AEROSPACE LTD

1270 ABERDEEN ST

DONNA SMALLEY NET 30 DAYS

SHIPPING POINT

CUST ORD NO.: PO35008

0004 42558 D6061-T6 5/8 OD X .065 WA

SHIP BY:

01/19/17 COMMON CARRIER VIA:

FREIGHT:

PREPAID

RELEASE NO.:

RECEIVING PHONE:

WIDTH

LENGTH

12 FT ML

LINE ITEM DESCRIPTION

CLN# ORD QTY INVOICE QTY SHIPPED QTY 48.000 FT 48.000 F

48.000 FT

** 1 TEST REPORTS REOUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00 PO:49343800 HT:F002049780001 PC: 4 CUSTOMER QTY: 48.000 UOM FT MLT:UNITED STATES MFG:UNITED STATES SLB/CL:219688

BROKERS KUEHNE AND NAGEL LTD

AREA TYPE OF PKG

CARTON

----- PACK INFO -----PKGS GRS WEIGHT WIDTH LENGTH HGHT 1.000 33.000 20.5000

1.000 33.000

BY: GS RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED

MILL TEST REPORT

Purchaser.: TW MET	ALS-Cranbu	гу			Certificate	No.: 15-11-44		1			
Contract No.: TWM	P.O.No.: M49	339072			Date of Issu	e.: 2015.11.5				1	
Commodity: Stainless	Steel Seaml	ess Tubes	Specifi	cations: A	STM A213-	15/ASME SA	213-1	3/ASTM A	269-14el	EAW	
Process: Cold Drawn					Delivery Co	ndition: OD I	Polisl	ed to 240	Grit		
Steel Grade	Uest	Number	Lot		Dimensi	nno		Q	uantity		
Steel Grade	neat	Muliber	Numb	er	Dimensi	045]	Pieces		feet	
TP304/TP304L	YX1	501-783	9-110		3/4" x 0.049	" x 20"		250	5	,000	
		Ch	emical C	ompositi	on by Weigh	t (%)					
Element	С	Mn	P	S	Si	Cr		Ni	Mo	Co	
Requirements	≤0.035	€2.00	≤0.04	5 ≤0.0	30 ≤1.00	18.00-20.00	8.0	0-12.00		-	
Ladle Analysis	0.012	0.68	0.031	0.00	1 0,37	18.35		8.05	-	-	
Product Analysis	0.019	0.70	0.033	0.00	2 0.39	18.37		8.31	-	-	
			Me	chanical I	Properties			•			
Test Item	Elong	ation (% in 2	")	Ter	nsile Strength (PSI) Rm			Yield Strength (PSI) Rp / 0.2%_			
Requirements		≥35			≥75,000			≥30,000			
Test Results		63/64			88,000/89,000			33,000/34		4,000	
Test Item		on of Area (%)	Hai	rdness	Cold Bend Test	Flaring Test	Fla	attening Test	Flange Test	P.M.I. Test	
Requirements		-	HR	B≤80	-	22%	e	=0.09	-		
Test Results			7:	5/77	-	Passed	1	Passed	-	OK	
Test Item	Eddy C	urrent Test		derwater ure Test	Ultrasonic Test	Intergranu Corrosion		Macro	scopic In	spection	
Requirements	ASTI	VI E 426		-	•	ASTM A26	2 E	End Cut	App	earance	
Test Results	Pa	ıssed		-	-	OK		OK		OK	
ISO 0001-2009 Conti	11 Y	1 110000000	1	- Company of	No. of the second	DED Cortific	11	COLUMN	240C DI	D 153600	

ISO 9001:2008 Certified by Intertek 110703068

PED Certified by SZUTEST 2195-PED-1526002

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-14
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

CANNOT CERTIFY COMPLIANCE FAR BAA / DFARS BAA / FAR TAA

DAS 14

9-89

17/01/26



James Chi

We hereby certify that this report is true and correct.

James Shi / Manager Quality Control Department

Shanghai Pufa Stainless Steel Pipe Factory

No. 59, Shuangye Road, Wanggang, New Pudong District, Shanghai, China

B DEC 15 2015



PRECISION TUBE CO.

287 WISSAHICKON AVE. NORTH WALES PA 19454 Control No: 1604

CERTIFIED TEST REPORT

CUSTOMER PURCHAS			ORD. NO.			TUBE P/N
49354489 LI	NE 001	42	2327		24A03125	50580005
FORI	METALS TUBEWAY EST PARK, G IED STATES	GA 30298		IP: TO	TW METALS 175 TUBEWAY FOREST PARK, UNITED STATES	
OUANTITY ORD.	DESCRIPTI	LON		0	TY. SHIPPED	DATE SHIPPED
1824 FT	METAL - 606 TEMPER - T6 SPEC - AMS (ASTM-B-2 LENGTH - 12 LGTH TOL + SHAPE - ROU	4082P 10-12 AMS-WW FT .1250 IN0 IND RAIGHT EXACT +.00300	000 IN LENGTHS 030		2004 FT	08/05/16
		MECHANICAL	PROPERTI	ES		
SAMPLE # STR	NSILE RENGTH .S.I.)	YIELD STRENGTH (P.S.I.)	ELONGATION IN 2 INCH		ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
1 45	5,775	40,439	17		TES	T REPORTS
		DESTRUCT	TIVE TESTS		AC	CEPTED BY
Comments: FAR BAA C	OMPLIES, DF				,	19354489 AUG 0 9 2016
		NON-DESTRU	CTIVE TES	TS	1 4	1 1.17-11.7-
EDDY CURRENT: PAS	5					
		CHEMICAL	COMPOSITIO	N		
ALLOY: 6061	HEAT:		ABILITY #: TL VENDOR:	3886 PTC2	04) 249 - Kaiser Alı	uminum
Si	Fe Cu	Mn Mg	Cr Zn	Ti	Al	
Min 0.40	0.15	0.80	0.04		Rem.	
Max OTHER ELEMENTS: 0.05 MAX I	0.70 0.40 EACH / 0.15 MAX T	0.15 1.20 OTAL	0.35 0.25	0.	15	

We hereby certify that the material has been manufactured and tested in accordance with the requirements of the applicable specifications and descriptions set forth on Precision Tube's sales acknowledgement. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundry containment. Test results indicate that the material is compliant with the current revision of the RoHS Directive (2011/65/EU).

Melted and Manufactured in USA QMS Registered to ISO 9001: 2008

Art Onaltis

QA Manager

08/05/16

Page: 1 of 1





http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PROCUCTS, LLC 2425 STEVENS DRIVE RICHLAND, WA 99352

CUSTOMER PO NUMBE	ER:	CUSTOMER PART NUMBER:	PRODUCT DESCRIPTION	1 :	
PTC2249		SPIRIT-371850	5.400 LB/PC .500 LB/-	0 LB 1.312 OD X .08	35 WALL ESRT
KAISER ORDER NUMBI	ER: LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
320031	001	04/01/2016	50751-323	6061	0
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:
16135.000 LB	2913.000	PCS 004991			13.984 FT
SHIP TO: PRECISION TUE 287 WISSAHICK N. WALES, PA 1	ON AVENUE	•	SOLD TO: MUELLER INDUS PRECISION TUBE 8285 TOURNAME STE. 150 MEMPHIS. TN 38	,	OR BY

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%Elong in 2	HARDNESS	CONDUCT.	BEND
50751-323	0001	0002	17.3	5.9	26.7	NA N/A	N/A	N/A
50751-323	0001	0003	17.3	5.9	26.7	NA N/A	N/A	N/A
50751-323	0001	0004	17.3	5.4	27.2	NA N/A	N/A	N/A
50751-323	0001	0005	18.0	6.1	28.0	NA N/A	N/A	N/A
50751-323	0001	0006	17.4	5.7	26.4	NA N/A	N/A	N/A
50751-323	0001	0007	17.9	6.2	27.6	NA N/A	N/A	N/A
50751-323	0001	0008	17.5	5.8	26.6	NA N/A	N/A	N/A
50751-323	0001	0009	17.7	5.7	28.6	NA N/A	N/A	N/A
50751-323	0001	0010	16.9	5.6	25.2	NA N/A	N/A	N/A
50751-323	0001	0011	17.6	5.8	27.9	NA N/A	N/A	N/A
50751-323	0001	0012	17.8	6.9	27.4	NA N/A	N/A	N/A
50751-323	0001	0013	18.1	6.1	27.2	NA N/A	N/A	N/A
50751-323	0001	0014	17.4	5.7	28.3	NA N/A	N/A	N/A
50751-323	0001	0015	17.0	5.6	28.6	NA N/A	N/A	N/A
50751-323	0001	0016	18.2	5.8	26.6	NA N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA ·	NA	0.00	.0
F75366	.58	.29	.22	.06	.98	.08	.05	.02	.00	.00	.00	.01	.02

Applicable Requirements:

ASTM-B241-12 NON-STENCILED ASTM-B221-13 ASTM-B345-11 AMS-QQ-A-200/8 97 (R07) TYPE I UNS#A96061 Also conforms to EN 10204 3.1

Plant Serial: 00013829

Kaiser Order Number: 320031

Line Item: 001

Page 1 of 2



http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PROCUCTS, LLC 2425 STEVENS DRIVE RICHLAND, WA 99352

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS, NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

JOSEPH AMES, QUALITY MANAGER

TEST REPORTS ACCEPTED BY

AUG 0 9 2016

Plant Serial: 00013829 Kaiser Order Number: 320031

Line Item: 001

Page 2 of 2





PRECISION TUBE CO.

287 WISSAHICKON AVE. NORTH WALES PA 19454

A COMPANY OF MUELLER INDUSTRIES

CERTIFIED TEST REPORT

		ASE, ORDER	NO.	CUST. O	the same of the sa			ON TUBE	THE RESERVE OF THE PERSON NAMED IN
		LINE 001		324				00058000	3
SOL: T	O 23 CA	METALS 5 TUBEWAY ROL STREAM ITED STATE		18	SF	IIP: TO	TW METALS 235 TUBEWAY CAROL STREA UNITED STAT	M, IL 601	.88
OUANTITY	ORD.	DESCRIP	TION			T O'	TY. SHIPPED	DATE	HIPPEL
3336	FT	LENGTH - LGTH TOL SHAPE - RO FINISH -	T6 S 4082P W-T-700/6 12 FT +.1250 1 OUND STRAIGHT 00 +.003	B ASTM- IN000 EXACT LE	B-210-12 00 IN ENGTHS		TW METALS TW METALS T JAN 22 16 P P P P P P P P P P P P P P P P P P	97	20/16
			MECE	ANICAL	PROPERTI	ES			
SAMPLE #	S	PENSILE PRENGTH P.S.I.)	YIEI STREN (P.S.	GTH.	ELONGATI IN 2 INC: (%)		ROCKWELL HARDNESS	GRAI	erage n size M.)
1		45,602	41,2		17				
	•		DE	STRUCTI	VE TESTS	<u> </u>	DAS		
		COMPLIES, I			FAR TAA		14/7	loilab	
EDDY CURRE	INT: PA	22							
			CHE		MPOSITI				
STIATE / CI	061	HEAT:			VENDOR:		1464 438 - Kaiser	Aluminum	*
ALLOY: 6			Cu	Mn	Mg	c	er Zn	TI	AL
ALLOY: 60	Si	Fe	Cu					The state of the s	
ALLOY: 60	0.40 0.80	0.70	0.15 0.40	0.15	D.80 1.20		04 35 0,26	0.18	Rem.

We herby certify that the material has been manufactured and tested in accordance with the requirements of the applicable specifications and descriptions sot forth on Precision Tube's sales acknowledgement. During the manufacturing, testing, and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundary containment. Test results indicate that the material is compliant with the current revision of the RoHS Directive (2011/65/EU).

Manufactured in the USA QMS Registered to ISO 9001: 2008 By: Art Onalitis

Art Onaitis QA Manager 01/20/16

Page: 1 of 1





http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PROCUCTS, LLC 2425 STEVENS DRIVE RICHLAND, WA 99352

CUSTOMER PO NUMBE	R:	CUSTOMER	PART NUMBER:	PRODUCT DESCRIPTION	4:	
PT56438		SPIRIT-3	71850	5.400 LB/PC .500 LB/-	0 LB 1.312 OD X .0	85 WALL ESRT
KAISER ORDER NUMBE	R: LINE ITEM:	1	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
319575	001		12/11/2015	50751-312	6061	0
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAWDAF/THKNS:	WIDTH:	LENGTH:
4046.000 LB	728.000 F	PCS	004904			13.984 FT
SHIP TO: PRECISION TUB 287 WISSAHICKI N. WALES, PA 18	ON AVENUE			SOLD TO: MUELLER INDUS PRECISION TUBE 8285 TOURNAME STE. 150 MEMPHIS, TN 381	NT DRIVE	ST SION TURK BY CO 12.14,15

Actual Physical Properties

REFERENCE	Dashë	SAMPLE#	UTS (KSI)	YTS (KSI)	%Blong in 2	HARDNESS	CONDUCT.	BEND
50751-312	0001	0002	18.0	5.6	28.5	NA N/A	N/A	N/A
50751-312	0001	0003	18.4	5.3	28 0	NA N/A	N/A	N/A
50751-312	0001	0004	18.4	5.7	27.6	NA N/A	N/A	N/A
50751-312	0001	0005	17.7	5.1	27.2	NA N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	8i	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot	
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	.15	
Minimum									NA	NA	. NA	0.00	0	•
F75382	.58	.35	.22	.05	.98	.09	.06	.03	.00	.00	.00	.01	.02	100
F82351	.61	.30	.26	.05	1.03	.08	.05	.02	.00	.00	.00	.01	.02	

Applicable Requirements:

ASTM-B241-12 NON-STENCILED ASTM-B221-13 ASTM-B345-11 AMS-QQ-A-200/8 97(R07) TYPE I UNS#A96061 Also conforms to EN 10204 3.1

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00013235 Kaiser Order Number: 319575

Line Item: 001

Page 1 of 2





http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PROCUCTS, LLC
2425 STEVENS DRIVE
RICHLAND, WA 99352

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

JOSEPH AMES, QUALITY MANAGER

TW METALS

E JAH 2 2 16 0

T S

ACCEPTED BY

Plant Serial: 00013235 Kaiser Order Number: 319575

Line Item: 001





http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER. AZ 85226

CUSTOMER PO NUMB	ER: CUSTO	MER PART NUMBER:	PRODUCT DESCRIPTION	N:	
M49343800-1	4255	8	Drawn Seamless	Tube/Pipe	
KAISER ORDER NUMB	ER: LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
219688	001	01/11/2016	F00204978	(6061)	Тб
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:
572.000 LB	355.000 PCS	220716			12.000 FT
SHIP TO:			SOLD TO:		
TW METALS INC 235 WEST TUBE CAROL STREAM			TW METALS INC 760 CONSTITUTI SUITE 204 EXTON, PA 1934	ON DRIVE	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG*	HARDNESS	CON%IACS	BEND
F00204978	0001	1	45.6	38.9	19.5	N/A	N/A	N/A
F00204978	0002	1	46.5	40.3	17.5	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	CE	Zn	Ti	РÞ	Bi	Zr	Ea	Tot
Maximum	0.90	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.00	0.70	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D75200	.60	.25	.23	.05		.07		.02		.00	.00	.01	.02

Applicable Requirements:

Description: OD: 0.6250"; Wall: (0.0650"); Round @

AMS-4082P AMS-WW-T-700/6C ASTM B210-12 WW-T-700/6F

WE TAKE EXCEPTION TO PARA .. 5.2.1., Per AMS-4082P, WAS NOT OILED.

This Product Complies to FAR BAA, DFARS BAA, FAR TAA

COMPLIES TO DIN EN 10204 JAN 2005

No Weld Repair. Mercury Free.

14 9-89 17/01/26

TW METALS

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA (DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5 TRADE AGREEMENTS).

Plant Serial: 00021031 Kaiser Order Number: 219688

Line Item: 001

Page 1 of 2

0



http://Online.KajserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms sconditions of sale. Test reports are on file subject to examination.

Nathaniel Stevens, Quality Manager

Plant Serial: 00021031 Kaiser Order Number: 219688 Line Item: 001





Packing Slip

CN K6A 1K7

ORDER NO.: 60623748

FROM: CRAN

PAGE

SOLD TO:

CUST NUMBER: 1203820 NET WGT:

.....

28.918 REQ.DATE: 01/25/17 CONFIRMED

SHIP TO:

DART AEROSPACE LTD

DART AEROSPACE LTD

1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

SALESPERSON:

HAWKESBURY ON

1270 ABERDEEN ST

DONNA SMALLEY

TERMS:

NET 30 DAYS

F.O.B.:

CANADA

SHIPPING POINT

CUST ORD NO.:

PO35008

VIA:

COMMON CARRIER

FREIGHT:

PREPAID

RELEASE NO.:

RECEIVING PHONE:

SHIP BY:

01/19/17

27 ENGLEHARD DRIVE

MONROE TWP

NJ 08831

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk

Can Manue

Date: 1/19/17

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

			T. 1101/11		nu9	
MATERIAL CERT REC'D:	yes			ESS ORDERED ESS RECEIVED		
QUANTITY RECEIVED:	140					
QUANTITY INSPECTED:	40		SHEETS	SIZE ORDERED		
QUANTITY REJECTED:			SHEETS	SIZE RECEIVED		
DESCRIPTION	NCR (Check Y/N)			COMMENTS		
SURFACE DAMAGE	XN					
CORRECT FINISH	(V) N					
CORROSION	YO					
CORRECT GRAIN DIRECTION	(X) N	261/				
CORRECT MATERIAL	M N	304				
CORRECT THICKNESS	N	,045				
PHOTO REQUIRED	X N	DC TV	1 4513			
CORRECT MATERIAL	Ø N	HELT	HOVIE	71783		
CORRECT REF # TO LINK CERT	N & N	TIEN!	TP ASS	21121049		
RECT MATERIAL IDENTFICATION		113/1	122	1000		
ORRECT M# ON THE MATERIAL	1011	11/200	UT			
OES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	YA					
DOES THIS REQUIRE AN EXTRUSION REPORT	YA					
CUT SAMPLE PIE	CE OF MA	TERIAL AND ORD RESUL	PREFORM A	HARDNESS (CHECK.	
		HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL						+
SIZE OF TEST SAMPLE						4
HARDNESS / DUROMETER RE	EADING					
77.7.2	testers	located in the	Quality Office			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SIGNED OFF BY:

DATE:

INSPECTED BY:

DATE:

MATERIAL CERT REC'D:	yes	`		THICKN	ESS ORDERED	.055	
	A .	\		SHEET S	SIZE ORDERED	:	
QUANTITY INSPECTED:				SHEET S	IZE RECEIVED		
QUANTITY REJECTED:							
	NCR						
DESCRIPTION	(Chec Y/N)	k		(COMMENTS		
SURFACE DAMAGE	YO						
CORRECT FINISH	(A)						
CORROSION	Y	_					
CORRECT GRAIN DIRECTION	(D)		1 1 1 1 1	- /			
CORRECT MATERIAL	1	-	6061	16			
CORRECT THICKNESS	1	1	1055				
PHOTO REQUIRED	YC	-4	1/15/	7085	1STM	32111	
CORRECT MATERIAL	(8)	-	4797	5000	AU	30270	
CORRECT REF # TO LINK CERT	(A) I	-	75/4/3	F 7774	3/250	1000	
PRRECT MATERIAL IDENTFICATION	(A) I	_	1 Cocci	11910	10/2000		
CORRECT M# ON THE MATERIAL	19 1	4	P11504	147			
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y 6	D					
DOES THIS REQUIRE AN EXTRUSION REPORT	YA	4					
CUT SAMPLE PIEC	E OF M	ATE	ERIAL AND I	PREFORM A	HARDNESS (CHECK.	
	RE	COF	RD RESULT	SBELOW		DUR D	Т
			HRC	HRB	DUR A		
TYPE OF MATERIAL							-
SIZE OF TEST SAMPLE		_					1
HARDNESS / DUROMETER REA	DING						
	teste	ers lo	cated in the C	uality Office			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SIGNED OFF BY:

DATE:

INSPECTED BY:

DATE:

MINITE							
MATERIAL: MOL	ITLet	D.SDDW	,058 PC) / BATCH NO.:	35008/4	3666	
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	48		THICKNE SHEET SI	SS RECEIVED: ZE ORDERED:	EIVED:		
DESCRIPTION	NCR (Check Y/N)		C	:OMMENTS			
SURFACE DAMAGE CORRECT FINISH CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL CORRECT MATERIAL CORRECT MATERIAL CORRECT METERIAL CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN	ZZZZZZZZZZZZ	AMS OF MEATER	1082 3536 17610,5	ASTM 1 1469 DOW:05	3210		
CUT SAMPLE PIECE TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER REA	E OF MA REC	TERIAL AND FORD RESULT	HRB	HARDNESS C	DUR D		
CUT SAMPLE PIECE TYPE OF MATERIAL SIZE OF TEST SAMPLE	REC	ORD RESULT	HRB				

QC 18 INSPECTION

DAS

INSPECTED BY: 14 SIGNED OFF BY: DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

100711-						
MATERIAL: Material: 17	401/21	TO.6250	0.065 PG	O / BATCH NO.,	35008/	1366 l
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	48'		THICKNE SHEET S	SS RECEIVED	.065	
DESCRIPTION	NCR (Check Y/N)		C	COMMENTS		
SURFACE DAMAGE CORRECT FINISH CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL CORRECT MATERIAL CORRECT MATERIAL CORRECT MATERIAL CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT		LOG LOG SOLO SOLO SOLO SOLO SOLO SOLO SO	176 4082 # FO 17676	ASTY 02049 0.625 U	13210 780001 0.045	
CUT SAMPLE PIEC TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER RE	RECC	TERIAL AND DRD RESULT HRC	HRB	HARDNESS C	DUR D	
QC 18 INSPECTION DAS			E	OFF BY:	SIGNOFF (if re	equired)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

INSPECTED BY: ___

DATE: 17



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35008

Purchase Order Date 1/18/2017 PO Print Date 1/18/2017

Page Number 1 of 3

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 VU-TWM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

JAN 1 8 2017

Contact Name

Vendor Phone

585 768 5600

Buyer

Chantal Lavoie

Customer POID Customer Tax#

Ship To Contact

Ship To Phone

YRC COLLECT

Terms

10127-2607 Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Ship Via: Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of	PO Unit Price	Extended Price
	Line Comments Delivery Comments		Promise Date		Measure		
1	M304TR0.750W.049	304 RD Tube .750 x .049W	1/25/2017 Yes 1/25/2017		48.00 f	\$2.10	\$100.80
		SA SEAMLESS ROUND TUBING MSE SA213 OR ASTM A269			Juce		

M6061T6T0.3125W.058

ALUM TUBE .3125 x .058w

1/25/2017

Yes 1/25/2017

60.00

\$100.80

\$2.50

\$150.00

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241

Line Total:

17-01-33

Line Total:

\$150.00

Note:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35008

Purchase Order Date 1/18/2017 PO Print Date 1/18/2017

Page Number 2 of 3

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014

VU-TWM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

YRC COLLECT

Ship Acct:

3

M6061T6T0.500W.058

6061-T6 RD Tube .500

1/25/2017

Yes

x.058W

1/25/2017

ASTM B241

Buyer

Chantal Lavoie

10127-2607

Customer POID

Customer Tax#

Net 30 USD

Terms Currency **FOB**

FCA - (Free Carrier)

48.00

\$1.75

\$84.00

f

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR

Line Total:

\$84.00

M6061T6T0.625W.065

6061-T6 RD Tube .625

x.065W

1/25/2017

48.00

\$3.15

\$151.20

1/25/2017

Yes

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241

f

Line Total:

\$151.20

Note:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35008

Purchase Order Date 1/18/2017 PO Print Date 1/18/2017

Page Number 3 of 3

Order From:

TW METALS PO BOX 933014

ALTANTA, GA 31193-3014

VU-TWM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

YRC COLLECT

Ship Acct:

71401-45

5

PROCUREMENT QUALITY CLAUSES 1/25/2017

No

1/25/2017

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retension of quality documents

Buyer

Chantal Lavoie

Customer POID

Customer Tax#

10127-2607 Net 30

Terms Currency

USD

FOB

FCA - (Free Carrier)

401-0

1.00

\$0.00

\$0.00

Line Total:

\$0.00

PO Total:

\$486.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

1

Change Date:

1/18/2017